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## PASTEURIZING METHOD FOR ATTACHED GERM WITH OZONE

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### Abstract of JP 3244465 (A)

**PURPOSE:**To perfectly pasteurize even germs which have grown in a number of small holes at the surface of an object to be pasteurized or inside of an injury by decompressing within a vessel for such object more than 50 mmHg, and repeating a motion to inject ozone into the vessel under negative pressure in several times of repetition. **CONSTITUTION:**First, a vacuum pump 10 is started, and a vessel of enclosed type is decompressed below -50 mmHg. After decompression, a motor-driven valve 11 is opened, and oxygen 2 is fed to an ozonizer 3. At the same time, the power supply 4 for ozonizer is started, and electric charge is generated within the ozonizer 3, and thereby the supplied oxygen 2 is converted into ozone 8 continuously and supplied to the vessel 5.; After the internal pressure of the vessel 5 attains normal pressure (760 mmHg), supply of oxygen 2 is stopped and also the power supply 4 is turned off, and the motor-driven valve 11 is shut. The ozone having transmitted in the object 5 has a very high reactiveness and tends to return to oxygen upon decomposing easily, so that the pasteurizing effect can not be maintained for a longer period of time. Therefore, the vessel 5 is decompressed again, and ozone in the period of generating is supplied to the object to be pasteurized 9.

